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# UNIVERSITY OF ILLINOIS CIRCULAR

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## UNIVERSITY OF ILLINOIS

## COLLEGE OF DENTISTRY

1929-30



PUBLISHED BY THE UNIVERSITY OF ILLINOIS  
CHICAGO

**THE UNIVERSITY OF ILLINOIS**  
**THE STATE UNIVERSITY**  
**Urbana**

DAVID KINLEY, PH.D., LL.D., *President*

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**THE UNIVERSITY INCLUDES THE FOLLOWING DEPARTMENTS:**

**The Graduate School**

**The College of Liberal Arts and Sciences** (Curricula: General with majors in the Humanities and the Sciences; Chemistry and Chemical Engineering; Pre-legal, Pre-medical and Pre-dental; Home Economics and Applied Optics)

**The College of Commerce and Business Administration** (Curricula: General Business, Banking and Finance, Insurance, Accountancy, Railway Administration, Railway Transportation, Industrial Administration, Foreign Commerce, Commercial Teaching, Trade and Civic Secretarial Service, Public Utilities, Commerce and Law)

**The College of Engineering** (Curricula: Architecture, Ceramics; Architectural, Ceramic, Civil, Electrical, Gas, General, Mechanical, Mining and Railway Engineering; Engineering Physics)

**The College of Agriculture** (Curricula: General Agriculture; Floriculture; Home Economics; Landscape Architecture; Smith-Hughes—in conjunction with the College of Education)

**The College of Education** (Curricula: Two year, prescribing junior standing for admission—General Education, Smith-Hughes Agriculture, Smith-Hughes Home Economics, Public School Music, Physical Education for Women; Four year, admitting from the high school—Industrial Education, Athletic Coaching and Physical Education)

The University High School is the practice school of the College of Education)

**The School of Music** (four-year curriculum)

**The School of Journalism** (two year curriculum based on two years of college work)

**The College of Law** (three-year curriculum based on a college degree, or three years of college work at the University of Illinois)

**The Library School** (one-year curriculum for college graduates)

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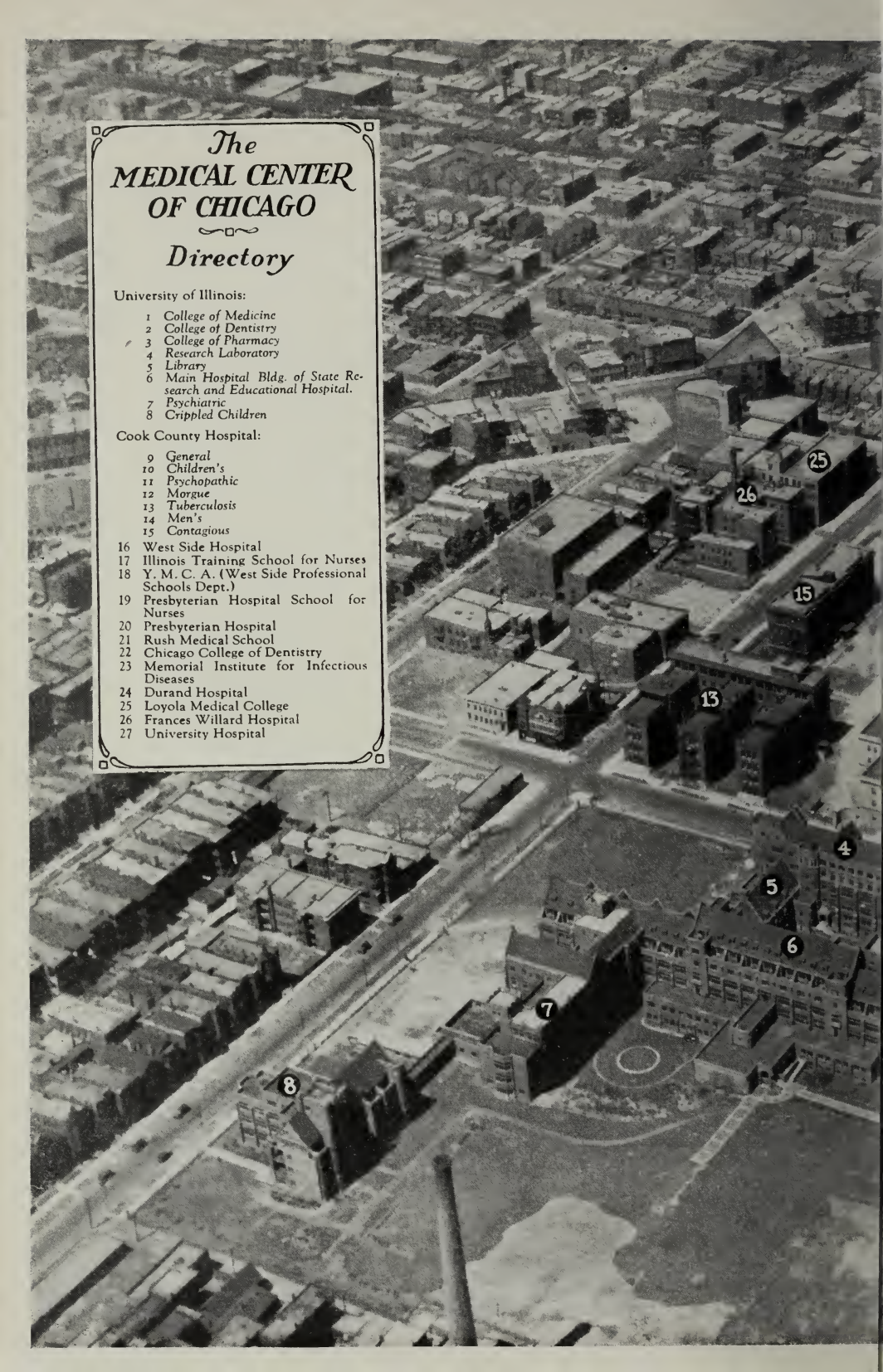
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# *The MEDICAL CENTER OF CHICAGO*

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- 3 College of Pharmacy
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UNIVERSITY OF ILLINOIS  
COLLEGE OF DENTISTRY

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CIRCULAR OF INFORMATION  
AND ANNOUNCEMENTS

1929-30



CHICAGO

PUBLISHED BY THE UNIVERSITY  
.1929

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## BOARD OF TRUSTEES

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# COLLEGE CALENDAR

1929-1930

## FIRST SEMESTER

September 4-7, Wednesday-Saturday Entrance Examinations. All departments of the University (High School subjects)	November 27, Wednesday, 12 m. Thanksgiving recess
September 23-27, Monday-Friday Special examinations	December 2, Monday, 8 a. m. Instruction resumed
September 30, Monday, 8 a. m.-5 p. m. Registration and payment of fees	December 21, Saturday, 5 p. m. Holiday recess begun
October 1, Tuesday, 8 a. m. Instruction begun	January 6, Monday, 8 a. m. Instruction resumed
	January 27-31, Monday-Friday Semester examinations

## SECOND SEMESTER

February 3, Monday, 8 a. m.-5 p. m. Registration and payment of fees	April 21, Monday, 8 a. m. Instruction resumed
February 4, Tuesday, 8 a. m. Instruction begun	May 30, Friday Memorial Day
February 12, Wednesday Lincoln's birthday	May 26-29, Monday-Thursday Final examinations
February 22, Saturday Washington's Birthday	June 6, Friday Class Day Alumni Meeting
April 17, Thursday, 5 p. m. Easter recess begun	June 7, Saturday Commencement Exercises Chicago Professional Schools

# OFFICERS OF ADMINISTRATION

1929-1930

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DAVID KINLEY, Ph.D., LL.D., *President*

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### COMMITTEE ON LIBRARY

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COMMITTEE ON DISCIPLINE FOR THE CHICAGO PROFESSIONAL SCHOOLS  
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NELL SNOW TALBOT, *Student Adviser*

# FACULTY

## COLLEGE OF DENTISTRY

1929-1930

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- DONALD MACKEY GALLIE, D.D.S., *Professor and Head of the Department of Operative Dentistry.*
- GEORGE WALTER DITTMAR, D.D.S., *Professor and Head of the Department of Prosthetic Dentistry.*
- FREDERICK BOGUE NOYES, A.B., D.D.S., Sc.D., *Professor and Head of the Department of Orthodontia, and Dean of the College.*
- GEORGE PETER DREYER, A.B., Ph.D., *Professor of Physiology and Physiological Chemistry and Head of the Department.*
- DAVID JOHN DAVIS, M.D., Ph.D., *Professor and Head of the Department of Pathology and Bacteriology.*
- LOUIS SCHULTZ, D.D.S., M.D., *Professor of Oral Surgery and Pathology.*
- WILLIAM HENRY WELKER, A.C., Ph.D., *Professor and Head of the Department of Chemistry and Metallurgy.*
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- OTTO F. KAMPMEIER, B.A., Ph.D., M.D., *Professor of Anatomy and Head of the Department.*
- WILLIAM F. PETERSEN, B.S., M.D., *Professor of Pathology and Bacteriology.*
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- JULIUS HAYES HESS, M.D., *Professor of Pediatrics.*
- FRANCIS EUGENE SENEAR, B.S., M.D., *Professor and Head of the Department of Dermatology.*
- ALBERT BACHEM, Ph.D., *Professor of Bio-Physics.*

### ASSOCIATE PROFESSORS

- JAMES ROY BLAYNEY, B.S., D.D.S., M.S., *Associate Professor of Therapeutics, Head of the Department in the College of Dentistry, and Associate Director of the Infirmary.*
- VICTOR THEODORE NYLANDER, A.B., D.D.S., *Associate Professor of Operative Dentistry and Director of the Infirmary.*
- BURNE OLIN SIPPY, B.S., D.D.S., M.S., *Associate Professor of Orthodontia.*
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- OLAF BERGEIM, Ph.G., B.S., M.S., Ph.D., *Associate Professor of Chemistry.*

## ASSISTANT PROFESSORS

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ISADOR PILOT, M.S., M.D., *Assistant Professor of Pathology and Bacteriology.*  
ISAAC SCHOUR, B.S., D.D.S., M.S., *Assistant Professor of Histology.*  
CARLOS I. REED, A.B., A.M., Ph.D., *Assistant Professor of Physiology.*  
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## ASSOCIATES

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EDWARD CHARLES WACH, Ph.G., D.D.S., *Associate in Therapeutics.*  
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MAX S. WIEN, B.S., M.D., *Associate in Dermatology.*

## INSTRUCTORS

- CARLTON EVERLY KERRICK, *Instructor in Technical Drawing.*  
FRANCES SCHWAB, *Instructor in Histology.*  
ANITA ELLINGSON, R.N., *Instructor in Therapeutics and Hygiene.*  
ANNA RIEKE, A.B., R.N., *Instructor in Oral Surgery.*  
ELSIE GERLACH, D.D.S., *Instructor and Superintendent of Children's Clinic.*  
ELI OLECH, D.D.S., *Instructor in Oral Surgery (extracting).*  
EVELYN NORGAARD, Graduate Dental Nurse, *Instructor in Children's Clinic.*  
RICHARD ALVIN JENTZSCH, D.D.S., *Instructor in Prosthetic Dentistry.*  
WILLIAM BENHAM DOWNS, D.D.S., *Instructor in Prosthetic Dentistry.*  
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ROBERT L. LADD, B.S., M.D., *Instructor in Oral Pathology and Oral Surgery.*  
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———, *Instructor in Oral Surgery (extracting).*  
MARY NEWELL, D.D.S., *Instructor in Orthodontia.*  
MARGARET DAME, *Instructor in Roentgenology.*  
SIGMUND F. BRADEL, B.Me.E., D.D.S., *Instructor in Prosthetic Dentistry.*  
PAUL G. LILJA, D.D.S., *Instructor in Diagnosis.*  
WALTER M. MANN, D.D.S., *Instructor in Operative Dentistry.*

## LECTURER

—————, *Lecturer on Dental Jurisprudence.*

## LILLY RESEARCH FELLOW

CLARENCE A. JOHNSON, B.S., M.S., *Lilly Research Fellow in Chemistry.*

## ASSISTANTS

ALDEN KINNEY BOOR, B.S., M.S., *Assistant in Chemistry.*

CAROLYN PETERSON, R.N., *Infirmiry Nurse.*

BESS HELEN FAUST, B.A., *Assistant in Orthodontia.*

JUDITH M. WILLIAMS, *Assistant in Roentgenology.*

PAUL H. McDANIEL, B.S., M.D., *Assistant in Anatomy.*

E. E. MADDEN, S.B., M.D., *Assistant in Anatomy.*

J. R. JACOBSON, B.S., M.D., *Assistant in Anatomy.*

HERMAN J. PILKA, B.S., M.D., *Assistant in Anatomy.*

NELLIE M. FRAIN, *Artist.*

## TECHNICIANS

MARIE WESTGATE, *Technician in Oral Pathology.*

GUSTAVE SWANSON, *Infirmiry Technician.*

JOSEPH LEPAK, *Chief Technician in Pathology and Bacteriology.*

STANLEY MOORE, *Technician in Pathology and Bacteriology.*

HILDA PAULSEN, *Technician in Pathology and Bacteriology.*

GEORGE MILLER, *Technician in Anatomy.*

OCIE BURNS, Ph.G., *Technician in Chemistry.*

RALPH W. FREEMAN, A.B., *Technician in Chemistry.*

ANITA WIZE, *Technician in Pathology and Bacteriology.*

# BUILDING AND EQUIPMENT

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## LOCATION

THE College of Dentistry of the University of Illinois is located in the clinical center of Chicago. It is at Harrison and Honore Streets, directly opposite the Cook County Hospital. Adjoining it on the north is the University of Illinois College of Medicine and on the west the West Side Hospital. Within a radius of a few blocks are a majority of the great metropolitan hospitals and professional colleges and schools. It is about fifteen minutes' ride from the Union Loop, or down-town district, by either the Garfield Park branch of the Metropolitan elevated line, or the Harrison Street surface cars.

## COLLEGE BUILDING

The college occupies a separate five-story building with a frontage of 100 feet on Harrison Street and 100 feet on Honore Street. The entering student registers in the business office which is on the first floor of the Medical building. The building has ample space for laboratories, operating rooms for the several clinics, amphitheaters for general assemblies, classes and student activities, recitation rooms, and rest-rooms for women and for men. Its equipment is modern and scientific. In addition to the accommodations in the main college building, many of the facilities of the College of Medicine are available to students of dentistry, as the colleges are allied. The two faculties are associated.

## INFIRMARY

A large part of the third and fourth year courses is devoted to clinical dentistry and for this purpose an infirmary is provided, which occupies the entire top floor of the main building. The room is lighted by windows on three sides and by skylights overhead, so that all work may be done by daylight. Adjoining the infirmary are the superintendent's office and the therapeutic laboratory. All sterilization and preparation for therapeutic and root canal work are supervised by registered nurses. There are always more applicants for dental services than can be accommodated.

## LIBRARY

The medical library is located in the Research building, the dental library in the Medical building which adjoins the College of Dentistry; both are available for the use of dental students. In the two libraries there are over 36,817 volumes including a comprehensive collection of works on dental and allied subjects. All standard dental journals are kept on file and there is a representative collection of works in literature, standard and modern. The libraries, in charge of two librarians and an assistant, are open from 9 a. m. to 5 p. m., and room is provided for students desirous of employing their study periods in either library.

# REQUIREMENTS FOR ADMISSION

(Effective for students entering in October, 1929 and thereafter)

An applicant for admission to the College of Dentistry must be at least 17 years of age. Women are admitted on the same terms as men.

For admission to the COLLEGE OF DENTISTRY candidates must present:

1. Fifteen units of high-school work in acceptable subjects as outlined in paragraph one below.

2. Two years of pre-dental work in a college of Liberal Arts and Sciences as indicated in paragraph two below.

## 1. THE REQUIREMENT IN HIGH-SCHOOL SUBJECTS

### PRESCRIBED SUBJECTS

The fifteen units required for the College of Dentistry must include the following prescribed subjects:

#### *List A*

English.....	3 units <sup>1</sup>
Algebra.....	1 unit
Plane geometry.....	1 unit
Laboratory science (must be physics if this subject is not included among the 60 hours pre-dental college work).....	1 unit
Electives (see below).....	9 units
Total.....	15 units

### ELECTIVES

In addition to the six prescribed units (List A), five units of electives must be chosen from List B below, and four more units from either List B or List C, to make up the total of fifteen units required.

#### *List B*

	<i>Possible Credit by Units</i>
Latin.....	1—4
Greek.....	1—4
French.....	1—4
German.....	1—4
Spanish.....	1—4
Italian.....	1—3
English(4th unit).....	1
Advanced algebra.....	$\frac{1}{2}$ —1
Solid geometry.....	$\frac{1}{2}$
Trigonometry.....	$\frac{1}{2}$

<sup>1</sup>A unit is the amount of work represented by the pursuit of one high-school subject, with the equivalent of five forty-minute recitations a week, through 36 weeks; or, in other words, the work of 180 recitation periods of forty minutes each, or the equivalent in laboratory or other practice.

	<i>Units</i>
History <sup>1</sup> .....	1—4
Civics.....	$\frac{1}{2}$ —1
Economics and economic history.....	$\frac{1}{2}$ —1
Commercial geography.....	$\frac{1}{2}$ —1
Physiography.....	$\frac{1}{2}$ —1
Physiology.....	$\frac{1}{2}$ —1
Zoology.....	$\frac{1}{2}$ —1
Botany.....	$\frac{1}{2}$ —1
Physics.....	1—2
Chemistry.....	1—2

*List C<sup>2</sup>*

General science.....	$\frac{1}{2}$ —1
Astronomy.....	$\frac{1}{2}$
Geology.....	$\frac{1}{2}$ —1
Agriculture.....	1—3
Bookkeeping.....	1
Business Law.....	$\frac{1}{2}$
Commercial Arithmetic (accepted only when preceded by one year of high-school mathematics).....	$\frac{1}{2}$
Domestic science.....	1—3
Drawing, art and design.....	$\frac{1}{2}$ —1
Drawing, mechanical.....	$\frac{1}{2}$ —1
Manual training or farm mechanics.....	1—2
Music <sup>3</sup> .....	1—2
Shorthand and typewriting (when taken together).....	1—2
Typewriting (when offered alone in double periods).....	1

## HIGH-SCHOOL GRADUATION

A candidate for admission *by certificate* must be a *graduate* of an accredited high school or other accredited school, with fifteen units in acceptable subjects. By acceptable subjects are meant the subjects included in Lists A, B and C, above; not more than four units may be chosen from List C.

An applicant *who has attended but who has not been graduated* from an accredited school must pass entrance examinations in the following subjects, amounting to 5 units:

English composition.....	1 unit
Algebra.....	1 unit
Additional subjects to be designated by the University authorities.....	3 units

Total..... 5 units

The remaining 10 units necessary to make up the 15 units required for admission may also be made in entrance examinations or may be offered by certificate from an accredited school.

<sup>1</sup>Greek and Roman history, 1 unit; medieval and modern history, 1 unit; English history,  $\frac{1}{2}$  or 1 unit; American history,  $\frac{1}{2}$  or 1 unit.

<sup>2</sup>The subjects named in List C must be taught in accordance with specifications which are set forth in the High-School Manual. Further information may be had on application to the High-School Visitor.

<sup>3</sup>To receive credit in applied music (voice, piano, violin), a student must offer at the same time one unit in theoretical music, and must have had two years of high-school music prior to taking the course offered for credit.

## METHODS OF ADMISSION

High-school credit will be accepted by *certificate* from the following sources:

(1) From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

(2) From schools accredited by the North Central Association of Colleges and Secondary Schools.

(3) From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools.

(4) From high schools and academies registered by the Regents of the University of the State of New York.

(5) From schools approved by the New England College Entrance Certificate Board.

(6) From schools accredited by the Southern Association of Colleges and Secondary Schools.

(7) From the state normal schools of Illinois and other normal schools having equal requirements for graduation.

Entrance credits may be made by *examination*:

(1) In the examinations conducted by the Registrar of the University at the University in Urbana in January, July and September of each year.

(2) In the examinations conducted by the Registrar of the University at the College of Medicine in September of each year.

(3) In the examinations conducted by the Registrar of the University about March 15, June 15, August 25, and December 15 in each year at the College of Medicine in Chicago.

(4) In the examinations conducted in June of each year by the College Entrance Examination Board.

(5) In the examinations conducted by the Regents of the University of the State of New York.

## 2. THE REQUIREMENT IN LIBERAL ARTS AND SCIENCES

In addition to the high-school requirement as indicated above, an applicant must present two years of work in an approved college of liberal arts and sciences, comprising not less than 60 semester hours, and including prescribed subjects as follows:

Chemistry (including not less than four semester hours of qualitative analysis) . . . . .	8 semester hours
Biology or physics <sup>1</sup> . . . . .	6 semester hours
English. . . . .	6 semester hours
Electives. . . . .	40 semester hours
Total. . . . .	60 semester hours

It is recommended that the candidate for entrance secure sixty hours of credits distributed as outlined on page 16 so that he may be eligible for the degree of Bachelor of Science upon the successful completion of his second year in the College of Dentistry.

<sup>1</sup>Physics must be presented if it has not been taken in the high school.

### ADMISSION TO ADVANCED STANDING

Students who meet the requirements for admission to the University of Illinois and who have studied dentistry for not less than one year in any college accredited to the University of Illinois, may be admitted to advanced standing. Such students, however, will be required to comply with all the conditions of the curriculum of the College of Dentistry.

Graduates of colleges of medicine accredited to the University of Illinois may be admitted to the College of Dentistry and given credit for one year in time and for all satisfactorily completed courses which are required by the College.

Students presenting sufficient credits applicable to the first year curriculum in addition to those required for entrance may enter at the beginning of the second semester of the first year.

Students holding credits other than those listed above should communicate with the Dean for further information.

### RECORD OF DENTAL WORK

A letter of honorable dismissal and a transcript of record are required in all cases where there has been previous attendance in a dental school.

### ADMISSION OF UNCLASSIFIED STUDENTS

A person twenty-one years of age or over, who has met in full the requirements for admission as determined in the usual way by the Registrar, or who is a graduate of a recognized College of Dentistry, may be admitted on approval of the Dean, as an unclassified student, to take a partial schedule of work. Fees are pro rated in proportion to the amount of work taken.

### REQUIREMENTS FOR GRADUATION

The requirements for the degree of Doctor of Dental Surgery are as follows:

1. Completion of the work of the curriculum with a grade of C or better in at least three-fourths of the work leading to the degree.
2. Settlement of all obligations to the University.

### HONORS

A chapter of Omicron Kappa Upsilon, a national honorary dental fraternity, was organized in the College of Dentistry in 1928.

Dental students who on completion of their dental course have a grade of scholarship ranking them in the highest twelve per cent of their class are eligible for membership.

### LICENSE TO PRACTICE IN ENGLAND

On the recommendation of the Board of Examiners in Dental Surgery, the Council of the Royal College of Surgeons, in London, has added the College of Dentistry of the University of Illinois to the list of dental schools recognized by the College. This recognition implies that the Royal College of Surgeons will exempt graduates in dental surgery of the University of Illinois from the Preliminary Science Examination for License in Dental Surgery, and will accept such parts of the curriculum for the License as are completed in the College of Dentistry of the University of Illinois toward the curriculum of studies required for a license.

## FEES AND EXPENSES

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### FEES—SCHEDULE EFFECTIVE SEPTEMBER 30, 1929

<i>First Year</i>	<i>Illinois</i>	<i>Non-Illinois</i>
Matriculation <sup>1</sup> (paid but once).....	\$ 10.00	\$ 10.00
Tuition.....	125.00	155.00
Laboratory.....	43.00	43.00
Total.....	178.00	208.00
 <i>Second Year</i>		
Tuition.....	125.00	155.00
Laboratory.....	35.00	35.00
Total.....	160.00	190.00
 <i>Third Year</i>		
Tuition.....	125.00	155.00
Laboratory.....	51.00	51.00
Total.....	176.00	206.00
 <i>Fourth Year</i>		
Tuition.....	125.00	155.00
Infirmary.....	60.00	60.00
Diploma.....	10.00	10.00
Total.....	195.00	225.00
Grand Total.....	709.00	829.00
Summer Term.....	25.00	30.00
Listener's fee (for each semester hour).....	10.00	20.00

A late registration fee of five dollars is charged to all students registering later than the registration days.

In case a student withdraws from the school within ten days after the beginning of instruction the total amount of his fees except the matriculation fee will be refunded. After ten days and before the expiration of one month a refund of three-fourths of the tuition and laboratory fees will be made. After one month and before the expiration of two months a refund of one-half of these fees will be made. After two months and before the expiration of three months a refund of one-fourth of the fees will be made. After the expiration of three months no part of the fees paid will be refunded.

Fees charged special students are based on the amount of work taken.

**PAYMENT OF FEES.**—The fees are payable at the beginning of each semester.

**TRANSCRIPT OF RECORD.**—Each student is entitled to one transcript of record without fee but a charge of one dollar for each additional transcript and fifty cents for each carbon copy of the same is made.

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<sup>1</sup>Not required in the case of students who have previously matriculated in this or any other college of the University of Illinois.

## SCHOLARSHIPS

The following scholarships are open for students in the College of Dentistry:

*General Assembly Scholarships.*—One nomination annually by each member of the General Assembly. Nominations must be received by the President of the University not later than the first Monday in July of the year in which the scholarship is to become effective.

*State Military Scholarships.*—For World War Veterans. Special provision passed by the General Assembly in 1919.

(For circulars giving more detailed information concerning scholarships apply to the Registrar, Urbana, Illinois.)

## ROOM REGISTER AND EMPLOYMENT BUREAU

The Young Men's Christian Association has just completed a new ten story building at 1804 West Congress Street. Room and board may be secured by the student for twelve to eighteen dollars a week. The Y. M. C. A. maintains information, rooming-house, and employment bureaus, together with parcel-check, trunk delivery, and social rooms. A gymnasium and a cafeteria are available in the building.

## FURTHER INFORMATION

This announcement applies to the session beginning September 30, 1929, and all requirements, fees, and regulations mentioned in it apply to this college year alone. The Trustees of the University of Illinois reserve the right to make changes in succeeding announcements. Conditions specified in the catalog cannot be modified except with the written consent of the proper officials of the University.

\* For further information address

THE DEAN, COLLEGE OF DENTISTRY  
UNIVERSITY OF ILLINOIS  
1838 West Harrison Street, Chicago

# COURSES OFFERED

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## UNDERGRADUATE

The curriculum of the College of Dentistry is four years in length. It must have been preceded by two years in a recognized college of liberal arts and sciences. The work in liberal arts must have included certain prescribed subjects. (See requirements for admission on page 12.)

### SIX-YEAR COMBINED COURSE

Students, who have completed, prior to admission to the College of Dentistry, two full years of work in a recognized college of liberal arts and sciences, including prescribed subjects as given below, may receive the degree of Bachelor of Science upon the completion of the first two years in the College of Dentistry; and upon the completion of two additional years in the College of Dentistry they will receive the degree of Doctor of Dental Surgery.

A student to receive the Bachelor of Science degree upon completing the first two years in the College of Dentistry must have earned sixty semester hours in a college or university of recognized standing, distributed as follows:

Chemistry.....	12 semester hours <sup>1</sup>
Physics.....	6 semester hours
Biology.....	8 semester hours
English.....	6 semester hours
German, French, Spanish or Italian.....	6 semester hours
Electives (not including chemistry, physics or biology).....	6 semester hours
Free Electives.....	16 semester hours

## GRADUATE COURSES

Courses leading to the degree of Master of Science in Dentistry are offered in Orthodontia, Oral Surgery and Therapeutics.

## EXTENSION COURSES

Extension courses are given at the College to practicing dentists. Lectures and lecture clinics are offered to dental societies and study clubs. Special Circular of Information will be sent on request.

## SUMMER COURSE

A summer course in clinical practice is available to third and fourth year students.

This is open to students of other colleges, also.

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<sup>1</sup>By a *semester hour* of college credit is meant the work of a class once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

# GENERAL DESCRIPTION OF COURSES<sup>1</sup>

## ANATOMY, HISTOLOGY AND EMBRYOLOGY

OTTO F. KAMPMEIER, B.A., Ph.D., M.D., *Professor and Head of Department.*

ARTHUR REUBEN COOPER, Ph.D., M.D., *Assistant Professor.*

ISAAC SCHOUR, B.S., D.D.S., M.S., *Assistant Professor.*

FRANCES SCHWAB, *Instructor.*

E. E. MADDEN, S.B., M.D., *Assistant.*

PAUL H. MCDANIEL, B.S., M.D., *Assistant.*

J. R. JACOBSON, B.S., M.D., *Assistant.*

HERMAN J. PILKA, B.S., M.D., *Assistant.*

GEORGE MILLER, *Technician*

### REQUIRED COURSES—FIRST YEAR

**10-11. Systematic Anatomy.**—This includes a complete dissection of the body. Lectures, demonstrations, recitations and seminar, 1; laboratory, 2 three-and-a-half hour periods. *I, II.*

Assistant Professor COOPER and assistants

**7. General Histology.**—Cell structure; relation of cells and intercellular substances; the elementary tissues; the histology of the organs of circulatory, alimentary, respiratory, genito-urinary, nervous systems, and skin and appendages. Lecture or quiz, 2; laboratory, 2 two-hour periods. *II.*

Assistant Professor SCHOUR and Miss SCHWAB

### SECOND YEAR

**8. Dental Histology and Embryology.**—The tissues of the teeth, the supporting tissues, and tissues of the oral cavity, considered from the dental standpoint. The enamel, with special references to operative procedures and preparation of cavity walls. The embryology of the teeth, face and oral cavity. Lecture, recitation or seminar, 2; laboratory, 2 two-hour periods. *I.*

Assistant Professor SCHOUR and Miss SCHWAB

### OPTIONAL COURSES

**51. Embryology of the Dental System.**—An advanced course open to graduate students and students who present vertebrate zoology for entrance. Lecture or quiz, 1; laboratory, 2 three-hour periods. *I.*

Assistant Professor SCHOUR and Miss SCHWAB

**54. Advanced Anatomy of the Head and Neck.**—Open to fourth year students. Lecture or quiz, 1; laboratory, 1 three-hour period. *II.*

Assistant Professor COOPER and assistants

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<sup>1</sup>The course numbers are indicated by Arabic numerals preceding the captions. Double numbers indicate courses extending through two semesters. Unless otherwise specifically stated, the Arabic numbers following the description of courses indicate the number of one-hour periods a week in each subject. The first and second semesters are indicated by the Roman numerals, *I* and *II*, respectively.

## CHEMISTRY AND METALLURGY

WILLIAM HENRY WELKER, A.C., Ph.D., *Professor and Head of Department.*

OLAF BERGEIM, Ph.G., B.S., M.S. Ph.D. *Associate Professor.*

ARTHUR GIDEON COLE, B.S., Ph.D., *Associate.*

CLARENCE A. JOHNSON, B.S., M.S., *Lilly Research Fellow.*

ALDEN KINNEY BOOR, B.S., M.S., *Assistant.*

\_\_\_\_\_, *Assistant.*

OCIE BURNS, Ph.G., *Technician.*

RALPH W. FREEMAN, A.B., *Technician.*

## REQUIRED COURSES—FIRST YEAR

**9. Organic Chemistry.**—The fundamentals, from a biological standpoint; fats, proteins and carbohydrates. Lectures, demonstrations and conferences, 2; laboratory, 2 three-hour periods. *I. Prerequisite:* Qualitative Analysis.

Associate Professor BERGEIM, DR. COLE and MR. BOOR

**12. Physiological Chemistry.**—The fundamentals of physiological chemistry. Lectures, demonstrations and conferences, 2; laboratory 2 two-and-a-half-hour periods. *II. Prerequisite:* Chemistry 9, or its equivalent.

Associate Professor BERGEIM and MR. BOOR

## SECOND YEAR

**15. Metallurgy.**—The general principles of metallurgy. Extracting and refining of the various metals used in dentistry. The physical properties of metals. Analysis of ores, alloys, solders, and cements; refining of gold, silver, and tin. Preparation of alloys and solders. Lectures or conferences, 1; laboratory, 1 two-hour period. *II.*

Professor WELKER

## OPTIONAL COURSES

**53. Quantitative Analysis.**—An elementary course including volumetric and the simpler gravimetric methods. Lectures and conferences, 2; laboratory, 2 three-hour periods.

Mr. JOHNSON

**55. Metallurgy.**—An advanced course open to graduates or to students who have satisfactorily completed Metallurgy 15. Hours to be arranged.

Professor WELKER

**Research.**—The laboratories are open to persons with the requisite scientific training for the conduct of original investigation.

## CHILDREN'S CLINIC

FREDERICK BOGUE NOYES, B.S., D.D.S., Sc.D., *Director.*

ELSIE GERLACH, D.D.S., *Instructor and Superintendent.*

EVELYN NORGAARD, *Graduate Dental Nurse, Instructor.*

**Children's Clinic.**<sup>1</sup>—General consideration of dentition, management, and care of deciduous teeth. Physical diagnosis and studies in hygiene and nutrition. Students assigned in groups. *I, II.*

<sup>1</sup>Clinical hours divided among operative and prosthetic dentistry and special clinics.

## DENTAL JURISPRUDENCE

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, *Lecturer.*

## REQUIRED COURSE—FOURTH YEAR

**3. Dental Jurisprudence.**—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of dentist and patient and their enforcement in court; confidential character and inviolability of such relation; dental laws of the various states. Lectures, 1. *I.*

## DIAGNOSIS AND ROENTGENOLOGY

PAUL G. LILJA, D.D.S., *Instructor.*

MARGARET DAME, *Instructor.*

JUDITH M. WILLIAMS, *Assistant.*

## REQUIRED COURSES—THIRD YEAR

**1. Roentgenology.**—History, theory and interpretation. Lecture and quiz, 1, bi-weekly. *I.* DR. LILJA

**2. Clinical Diagnosis.**<sup>1</sup>—Clinics and conferences. Students assigned in groups. 2 four-hour periods. *II.* DR. LILJA

## FOURTH YEAR

**3-4. Roentgenology.**<sup>1</sup>—Technic and clinical practice. Demonstrations and conferences. Students assigned in groups. 1 two-hour period. *I, II.* MISS DAME

**5-6. Clinical Diagnosis.**—Clinics and conferences. Students assigned in groups. 5 four-hour periods. *I, II.* DR. LILJA

## ENGLISH

NELL SNOW TALBOT, Ph.B., *Associate.*

## REQUIRED COURSES—FIRST YEAR

**3. Seminar.**—Library methods, preparation of papers on scientific subjects. 1. *I.*

## SECOND YEAR

**5. Seminar.**—1. *I.*

## THIRD YEAR

**7. Ethics.**—1. *I.*

## FOURTH YEAR

**9-10. Seminar.**—Individual consultations on the preparation of scientific papers. 1. *I, II.*

**Correlative Courses.**—Personal consultations and occasional class meetings, papers prepared under supervision of the English department for other courses forming the chief subject of discussion.

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<sup>1</sup>Clinical hours divided among operative and prosthetic dentistry and special clinics.

**MATERIA MEDICA, PHARMACOLOGY AND THERAPEUTICS**

HUGH ALISTER MCGUIGAN, Ph.D., M.D., *Professor and Head of Department in the College of Medicine.*

JAMES ROY BLAYNEY, B.S., D.D.S., M.S., *Associate Professor and Head of Department in the College of Dentistry.*

W. J. R. CAMP, B.S., M.S., M.D., Ph.D., *Assistant Professor.*

HAROLD N. ETS, B.S., M.S., Ph.D., *Associate.*

EDWARD CHARLES WACH, Ph.G., D.D.S., *Associate.*

ANITA ELLINGSON, R.N., *Instructor.*

ROBERT GEORGE KESEL, D.D.S., *Instructor.*

**REQUIRED COURSES—FIRST YEAR**

- 1. Hygiene.**—The essentials of hygiene. Mouth examination and diagnosis. Lecture, 1. *I.* Associate Professor BLAYNEY

**SECOND YEAR**

- 2. Technic.**—The mechanics of exposing, cleaning, enlarging and filling root-canals. Principles of the technic employed for removing concretions from the teeth. Laboratory, 1 three-hour period; lecture, 1, bi-weekly. *II.* *Prerequisite:* Operative Dentistry 11. Associate Professor BLAYNEY and Dr. KESEL

**THIRD YEAR**

- 3. Materia Medica and Therapeutics.**—Nomenclature, classification and action of drugs, and prescription writing. Lectures, 2. *I.*

Associate Professor BLAYNEY and Dr. WACH

- 5. Pharmaco-Dynamics.**—Demonstrations and laboratory exercises, 1 two-hour period. *II.* *Prerequisite:* Materia Medica and Therapeutics 3.

Professor MCGUIGAN, Dr. ETS and assistants

- 6. Preventive Dentistry and Sanitation.**—Measures for prevention of dental disease. Technic of oral hygiene and prophylaxis. Hygiene of ventilation, communicable diseases, waste disposal and sanitation. Lecture, 1. *II.*

Associate Professor BLAYNEY and Miss ELLINGSON

- 9-10. Clinical Practice.**<sup>1</sup>—Oral prophylaxis; examinations; general management of root canals. Conferences and demonstrations to groups. *I, II.* *Prerequisites:* Operative Dentistry 11-12. By members of the staff

**FOURTH YEAR**

- 11-12. Therapeutics.**—Treatment of lesions of the periodontal membrane and dental pulp. Prophylaxis. Seminar, lectures and recitations, 2. *I, II.* *Prerequisite:* Pharmaco-Dynamics 5. Associate Professor BLAYNEY and Dr. KESEL

- 13-14. Clinical Practice.**<sup>1</sup>—Oral examinations and diagnosis; interpretation of radiograms; root canal and periodontal treatments; records. Conferences and demonstrations to groups. *I, II.* *Prerequisites:* Clinical Practice 9-10

By members of the staff

<sup>1</sup>Clinical hours divided among operative and prosthetic dentistry and special clinics.

## OPTIONAL COURSE

**52. Reactions of Periapical Tissues to Treatment.**—Study of clinical case histories and the treatment of root ends as related to the histologic findings. Course limited to ten students acceptable to the department. Lectures and laboratory, 2. *II. Prerequisite:* Clinical Practice 13. Associate Professor BLAYNEY

(For graduate courses, see page 28).

## MEDICINE

CHARLES SPENCER WILLIAMSON, M.S., M.D., *Professor and Head of Department.*

JULIUS HAYES HESS, M.D., *Professor of Pediatrics.*

FRANCIS EUGENE SENEAR, B.S., M.D., *Professor and Head of Department of Dermatology.*

MAX S. WIEN, B.S., M.D., *Associate in Dermatology.*

## REQUIRED COURSES—THIRD YEAR

**1. Physical Diagnosis and Nutrition.**—Lecture and clinic, 1 two-hour period. *I.* Professor HESS

**2-3. Medicine.**—Lecture and clinic, 1 one-hour period. *I, II.*

Professor WILLIAMSON

**4. Dermatology.**—Lecture and clinic, 1 one-hour period, 8 weeks. *II.*

Professor SENEAR and Dr. WIEN

## FOURTH YEAR

**5-6. Medicine.**—Lecture and clinic, 1 one-hour period. *I, II.*

Professor WILLIAMSON

## OPERATIVE DENTISTRY

DONALD MACKEY GALLIE, D.D.S., *Professor and Head of Department.*

VICTOR THEODORE NYLANDER, A.B., D.D.S., *Associate Professor.*

EDWARD J. KREJCI, D.D.S., *Associate.*

THOMAS WILLIAM HUMBLE, D.D.S., *Associate.*

ROBERT K. BAXTER, D.D.S., *Instructor.*

GEORGE MATULA, D.D.S., *Instructor.*

WALTER M. MANN, D.D.S., *Instructor.*

## REQUIRED COURSES—FIRST YEAR

**3-4. Dental Anatomy.**—A study of tooth forms with dissections. Lecture or quiz, 1. *I, II.* Laboratory, 1 three-hour period. *I, II.*

Dr. HUMBLE and assistants

## SECOND YEAR

**11-12. Technic.**—Etiology and treatment of dental caries. Lecture and quiz, 1; laboratory, 2 three-hour periods. *I.* Lecture, 1, bi-weekly; 1 three-hour period. *II. Prerequisites:* Dental Anatomy 3-4.

Associate Professor NYLANDER, Dr. KREJCI and Dr. HUMBLE

## THIRD YEAR

**15-16. Operative Dentistry.**—Principles of practice. Lecture 1, bi-weekly. *I, II. Prerequisites:* Technic 11-12.

Professor GALLIE and Associate Professor NYLANDER

**17-18. Clinical Practice.**<sup>1</sup>—Diagnosis. Cement, amalgam, and gold restorations. Conferences and demonstrations to groups. *I, II. Prerequisites:* Technic 11-12.  
By members of the staff

#### FOURTH YEAR

**21-22. Clinical Observations, Office Equipment and Management.**—Lecture 1, bi-weekly. *I, II.* Professor GALLIE

**25-26. Clinical Practice.**<sup>1</sup>—Continuation of courses 17-18 with emphasis on more difficult cases. Practical examinations. *I, II. Prerequisites:* Clinical Practice 17-18.  
By members of the staff

### ORAL AND PLASTIC SURGERY AND ORAL PATHOLOGY

FREDERICK BROWN MOOREHEAD, M.S., D.D.S., M.D., *Professor and Head of Department.*

LOUIS SCHULTZ, D.D.S., M.D., *Professor.*

ROBERT L. LADD, B.S., M.D., *Instructor.*

ANNA RIEKE, A.B., R.N., *Instructor.*

ELI OLECH, D.D.S., *Instructor in extracting.*

—————, *Instructor in extracting.*

NELLIE M. FRAIN, *Artist.*

MARIE WESTGATE, *Technician.*

#### REQUIRED COURSES—THIRD YEAR

**5. Oral Pathology.**—Pathological changes in oral cavity and their relation to general disease processes; study of neoplasms of mouth and jaws; special pathology of dental pulp, periodontal membrane, alveolar process and gums. Lectures, recitations, demonstrations, 1; laboratory, 1 three-hour period. *II.*

Professor MOOREHEAD, Professor SCHULTZ, Dr. LADD and assistants

#### FOURTH YEAR

**11-12. Oral Surgery.**—Recitation and conference. 1. *I, II.*

Professor MOOREHEAD, Professor SCHULTZ

**15-16. Oral Surgery.**—Clinic; 2 two-hour periods. *I, II.*

Professor MOOREHEAD, Professor SCHULTZ and Miss RIEKE

**19-20. Extracting Clinic.**<sup>1</sup>—6 three-hour periods with groups. *I, II.*

Dr. OLECH and Miss RIEKE

(For graduate courses, see page 28).

### ORTHODONTIA

FREDERICK BOGUE NOYES, A.B., D.D.S., Sc.D., *Professor and Head of Department*

BURNE OLIN SIPPY, B.S., D.D.S., M.S., *Associate Professor.*

MARY NEWELL, D.D.S., *Instructor.*

BESS HELEN FAUST, B.A., *Assistant.*

#### REQUIRED COURSES—THIRD YEAR

**5. Orthodontia.**—Demonstration and technic; impressions, plaster models; soldering technic. Lecture or quiz, 1; laboratory, 2 two-hour periods. *II.*

Associate Professor SIPPY, Dr. NEWELL and assistants

<sup>1</sup>Clinical hours divided among operative and prosthetic dentistry and special clinics.

## FOURTH YEAR

**9. Orthodontia.**—Fundamental principles; normal occlusion; development of the human denture; relation of the denture to the features; forces governing occlusion; classification and etiology of malocclusions; conditions fundamental to treatment. Lecture, 1. *I.* Professor NOYES, Associate Professor SIPPY

**11-12. Clinical Practice.**<sup>1</sup>—Case diagnosis and management; selection and adjustment of appliances; routine cases; groups of four. *I, II.*

By members of the staff

## OPTIONAL COURSE

**52. Orthodontia.**—History of the treatment of malocclusion, appliances; time of treatment; principles of treatment; band construction; anchor band adaptation; principles and application of expansion arch; construction of retaining appliances. Lecture, 1; laboratory, 1 two-hour period. *II.*

Professor NOYES and Associate Professor SIPPY

(For graduate courses, see page 28).

## PATHOLOGY AND BACTERIOLOGY

DAVID JOHN DAVIS, M.D., Ph.D., *Professor and Head of Department.*

WILLIAM F. PETERSEN, B.S., M.D., *Professor.*

LLOYD ARNOLD, A.M., M.D., *Associate Professor.*

ERIC A. FENNEL, M.D., *Associate Professor.*

ISADOR PILOT, M.S., M.D., *Assistant Professor.*

SAMUEL AZOR LEVINSON, M.S., M.D., *Assistant Professor.*

JOSEPH LEPAK, *Chief Technician.*

STANLEY MOORE, *Technician.*

HILDA PAULSEN, *Technician.*

ANITA WIZE, *Technician.*

## REQUIRED COURSES—SECOND YEAR

**4. General Bacteriology.**—Sterilization; disinfection; preparation of culture media; general morphologic and cultural characteristics of bacteria; isolation, cultivation and identification of pathogens; relation of bacteria to disease; immunity; vaccines; application of principles of bacteriology to problems of hygiene. Animal experiments are used where appropriate. This course covers the general principles of bacteriology and immunology. Lectures, recitations and demonstrations, 2; laboratory, 2 two-hour periods. *I.* Associate Professor ARNOLD and assistants

## THIRD YEAR

**7. General Pathology.**—Principles of general pathology. Circulatory disturbances, retrogressive and progressive changes, inflammation, tumors and the special pathology of the important organs of the body. Emphasis is placed upon the study of gross specimens both fresh and preserved. Attendance upon autopsies is required in the second half of the semester. Lectures, recitations, and demonstrations, 3; laboratory, 2 two-and-a-half-hour periods. *I.* *Prerequisite:* Bacteriology 4. Associate Professor FENNEL and assistants

## OPTIONAL COURSE

**51. Advanced Laboratory and Research Work.**—Open to a limited number of qualified students. Hours to be arranged.

Professor PETERSEN, Associate Professor FENNEL and Associate Professor ARNOLD

<sup>1</sup>Clinical hours divided among operative and prosthetic dentistry and special clinics.

## PHYSIOLOGY

GEORGE PETER DREYER, A.B., Ph.D., *Professor and Head of Department.*

ALBERT BACHEM, Ph.D., *Professor of Bio-Physics.*

ROBERT M. OSLUND, A.B., Ph.D., *Associate Professor.*

CARLOS I. REED, A.B., A.M., Ph.D., *Assistant Professor.*

## REQUIRED COURSE—SECOND YEAR

**3-4. Human Physiology.**—Lectures and recitations, 6; laboratory and demonstrations, 2 three-hour periods *II. Prerequisite:* Chemistry 12.

Associate Professor OSLUND and assistants

## PROSTHETIC DENTISTRY

## CROWN AND BRIDGE DIVISION

GEORGE WALTER DITTMAR, D.D.S., *Professor and Head of Department.*

STANLEY DANIEL TYLMAN, A.B., D.D.S., *Associate Professor.*

RICHARD ALVIN JENTZSCH, D.D.S., *Instructor.*

WILLIAM BENHAM DOWNS, D.D.S., *Instructor.*

MALCOLM E. GALVIN, D.D.S., *Instructor.*

SIGMUND F. BRADEL, B.Me.E., D.D.S., *Instructor.*

## REQUIRED COURSES—SECOND YEAR

**2. Technic.**—Construction of inlay, three-quarter and crown attachments; pontics, fixed and semi-fixed bridges. Lecture or quiz, 1; laboratory, 2 three-hour periods. *II.* Associate Professor TYLMAN, Dr. JENTZSCH, Dr. DOWNS, Dr. GALVIN and Dr. BRADEL

**4. Ceramics.**—History, physical characteristics and application. Preparations; construction of jacket crowns, pontics and inlays; stains. Laboratory, 1 three-hour period. *II.* Associate Professor TYLMAN, Dr. JENTZSCH, Dr. DOWNS, Dr. GALVIN and Dr. BRADEL

## THIRD YEAR

**5. Technic.**—Compound types of fixed, semi-fixed and removable bridges, application of tenso-friction attachments. Lecture or quiz, 1; laboratory, 2 three-and-a-half-hour periods. *I. Prerequisites:* Technic 2 and Ceramics 4.

Professor DITTMAR, Associate Professor TYLMAN, Dr. JENTZSCH, Dr. DOWNS, Dr. GALVIN and Dr. BRADEL

**6. Clinical Practice.**<sup>1</sup>—Similar types of crowns and bridges; diagnosis; conferences and demonstrations to groups. Lecture, 1, bi-weekly. *II. Prerequisite:* Technic 5.

Professor DITTMAR, Associate Professor TYLMAN, Dr. JENTZSCH and Dr. DOWNS

<sup>1</sup>Clinical hours divided among operative and prosthetic dentistry and special clinics.

## FOURTH YEAR

**7-8. Diagnosis.**—Diagnosis and treatment of more difficult cases. Mechanical treatment of facial and oral defects. Lectures and demonstrations, 1, bi-weekly. *I, II. Prerequisite:* Clinical Practice 6.

Professor DITTMAR and Associate Professor TYLMAN

**9-10. Clinical Practice.**<sup>1</sup>—Diagnosis; complex types of fixed, semi-fixed and removable bridges; obturators; porcelain restorations. Conferences and demonstrations. *I, II. Prerequisite:* Clinical Practice 6.

Professor DITTMAR, Associate Professor TYLMAN, Dr. JENTZSCH and Dr. DOWNS

## OPTIONAL COURSE

**52. Technic.**—Advanced ceramics or removable bridges. *Prerequisite:* Technic 5.

Associate Professor TYLMAN

## DENTURE DIVISION

GEORGE WALTER DITTMAR, D.D.S., *Professor and Head of Department.*

JOHN SANFORD KELLOGG, D.D.S., *Associate Professor.*

WACLAW HOWARD KUBACKI, D.D.S., *Associate Professor.*

GEORGE FRANKLIN KOLAR, B.S., D.D.S., *Associate.*

KERMIT F. KNUDTZON, D.D.S., *Instructor.*

## REQUIRED COURSES—FIRST YEAR

**1-2. Technic.**—Full vulcanite dentures, clasp construction, partial vulcanite dentures. Lecture, 1; laboratory, 2 two-and-a-half-hour periods. *I, II.*

Associate Professor KELLOGG, Associate Professor KUBACKI, Dr. KOLAR and Dr. KNUDTZON

## SECOND YEAR

**3-4. Technic.**—Tenso-friction appliances, cast metal base plates, full and partial, full denture construction, vulcanite repair. Lecture, 1. *I, II;* laboratory, 2 two-and-a-half-hour periods. *I;* 1 two-hour period. *II. Prerequisites:* Technic 1-2.

Associate Professor KELLOGG, Associate Professor KUBACKI, Dr. KOLAR and Dr. KNUDTZON

## THIRD YEAR

**5-6. Clinical Practice.**<sup>1</sup>—Partial and full dentures, conferences and demonstrations to groups. *I, II. Lecture, 1, bi-weekly. II. Prerequisites:* Technic 3-4.

Professor DITTMAR, Associate Professor KELLOGG and Associate Professor KUBACKI

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<sup>1</sup>Clinical hours divided among operative and prosthetic dentistry and special clinics.

## FOURTH YEAR

**7-8. Prosthetic Dentistry.**—Review of fundamentals, classification and diagnosis, abnormal and difficult cases and the newer types of prosthetic restorations. Lecture, 1, bi-weekly. *I, II.* *Prerequisites:* Clinical Practice 5-6.

Professor DITTMAR

**9-10. Clinical Practice.**<sup>1</sup>—Partial and full denture construction. *I, II.* *Prerequisites:* Clinical Practice 5-6.

Professor DITTMAR, Associate Professor KELLOGG and Associate Professor KUBACKI

## TECHNICAL DRAWING

CARLTON EVERLY KERRICK, *Instructor.*

## REQUIRED COURSE—FIRST YEAR

**1. Technical Drawing.**—Orthographic projection, drafting of working drawings and their interpretation, lettering and conventions.

Freehand sketches of teeth, mandibles, plaster models, to size. Light and shade technique and perspective. 2 two-and-a-half-hour periods. *I.*

## SUMMER TERM

TEN WEEKS BEGINNING JUNE 15TH

Open to third and fourth year students, a comprehensive course in clinical practice, embracing operative dentistry, denture, crown and bridge and ceramics, therapeutics and oral surgery.

Students may receive credits applying on either third or fourth year infirmity requirements. Hours, nine to twelve and one to four.

## EXTENSION COURSES

The following courses, each of which continues four weeks, are offered at the College of Dentistry during the year:

CERAMICS  
CROWN AND BRIDGE  
DENTURE  
HISTOLOGY  
OPERATIVE DENTISTRY  
ORAL SURGERY  
THERAPEUTICS

These courses are open to legally qualified practitioners. Full details will be sent upon request.

<sup>1</sup>Clinical hours divided among operative and prosthetic dentistry and special clinics.

## LECTURES AND LECTURE CLINICS

The following lectures and lecture-clinics are offered to dental societies and study-clubs throughout the state:

CERAMICS  
CHEMISTRY  
CROWN AND BRIDGE  
DENTURE  
HISTOLOGY  
OPERATIVE DENTISTRY  
ORAL SURGERY  
ORTHODONTIA  
PATHOLOGY  
THERAPEUTICS

# GRADUATE WORK IN DENTISTRY

## ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the faculty after the student had demonstrated by his work here, for from two to five months, that he has ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Director and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Secretary of the Committee on Graduate Work in Dentistry. Every applicant must submit with his application for admission an official transcript of his college record.

## REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first year students. Second year and third year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

*Registration.*—Each graduate student must register at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been interrupted by unavoidable circumstances.

The first registration, or that on entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

*Failures.*—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

*Students on the Staff.*—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

*Residence and Work Done Elsewhere.*—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Director, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work for their degrees.

Members of the staff who have done graduate work in approved institutions elsewhere may secure credit not to exceed four units towards the master's degree by passing examinations in that work. They may complete the work for the degree by securing at least four units more while registered in the Graduate School for not less than one academic year.

*Withdrawal.*—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Director's office. If he wishes to withdraw from the University he must get clearance papers at the Director's office.

## DEGREES

### The Degree of Master of Science

*Character of Master's Degree.*—The master's degree conferred depends upon the character of the bachelor's degree. The usual practice is that A.M. shall follow A.B., and that M.S. shall follow B.S. However, this practice may be departed from in cases where the under graduate course of study has been of a kind for which some reputable institutions in this country give A.B., while others give B.S.

*Amount of Work Required.*—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or fifteen hours of time a week through the summer quarter of twelve weeks, irrespective of the mode of distribution of that time in class work, laboratory work and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only superior students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

*Grades.*—Students' work is graded in five classes, A, B, C, D and E. The last indicates a failure. D indicates unsatisfactory, though passable, work.

A student who receives two units of a grade below B during his first year of graduate work may not complete the first year of residence by carrying the minimum program of eight units for the master's degree. Three units of a grade below B disqualify a student as a candidate for a degree.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

*Majors and Minors.*—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

*Foreign Language.*—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

*Master's Thesis.*—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in the case of students working for master's degrees in summer sessions only, must be secured not later than the end of the sixth week of the year of residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Director, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis-paper,"<sup>1</sup> and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be sent by the professor in charge to the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence for a period not to exceed the equivalent of two semesters. To get such permission the student must have secured proper credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due. Immediately following approval the student must register and pay an incidental fee of \$20.00.

<sup>1</sup>No other will be accepted by the Dean. "Instructions for the Preparation of Theses" may be obtained at the Secretary's Office, Room 309, Research Laboratory and Library Building.

**Applications for Degrees.**—Each candidate for the degree of Master of Arts or Master of Science shall file an application for the degree on a blank provided for the purpose, to be had at the Dean's office. For the dates of applications and of deposition of theses, consult the calendar at the beginning of the bulletin.

**FEES AND EXPENSES.**—Except as noted below, graduate students in dentistry pay fees as follows:

Matriculation fee . . . . .	\$10.00
Incidental fee (summer quarter) . . . . .	20.00
Students not residents of Illinois pay an incidental fee of . . . . .	30.00
Incidental fee (semester) . . . . .	25.00
Students not residents of Illinois pay each semester an incidental fee of . . . . .	37.50
Laboratory deposit (each quarter or semester) . . . . .	15.00
Diploma fee . . . . .	10.00

All graduate students who have not matriculated as undergraduates at the University of Illinois pay the matriculation fee on entrance.

All graduate students pay the diploma fee on being recommended for their degrees.

No tuition or incidental fee is charged for graduate courses to members of the corps of instruction, or of the staffs of the scientific bureaus or experiment stations who are appointed by the Board of Trustees, nor for undergraduate courses on their study-lists if approved by the heads of the departments and by the Dean of the School as necessary or desirable for the proper completion of the work for the degree.

Each student working in laboratories is required to make a deposit of fifteen dollars to pay for chemicals and apparatus used and for any breakage or damage. No charge or deposits for laboratory materials are required from members of the corps of instruction or the scientific staffs mentioned above.

## LIBRARY

Adequate library facilities are essential to the prosecution of graduate work and research. In the library of the College of Dentistry may be found files of journals, monographs, separates, and standard texts supplying nearly every need.

# DEPARTMENTS OF INSTRUCTION

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## *ANATOMY*

**101. Histogenesis and Experimental Morphology.**—Cytological and morphological changes in the organism which are directly correlated with normal processes, such as reproduction, differentiation, nutrition, growth, variation, regulation, regeneration, activity, secretion, rest, fatigue, senility.—One or two units.

Professor KAMPMEIER and Professor BOYDEN

**103. Individual Research and Embryology and Histogenesis.**—One or two units.

Professor KAMPMEIER and Professor BOYDEN

**105. Advanced Anatomy.**—One or two units.

Professor KAMPMEIER and Professor BOYDEN

## *METALLURGY*

**101. Metallurgical Research.**—One or two units.

Professor WELKER

## *ORAL SURGERY*

**101. Pathology of Mouth.**—One or two units.

Professor MOOREHEAD

**103. Oral Surgery.**—One or two units.

Professor MOOREHEAD

## *ORTHODONTIA*

**101. Orthodontia.**—One or two units.

Professor NOYES

## *PATHOLOGY AND BACTERIOLOGY*

**101. Advanced Pathogenesis.**—Etiology and pathogenesis of certain diseases with especial consideration of the role that the lower animals play in the transmission of human disease. Lectures, conferences, demonstrations, assigned readings.—One or two units.

Professor DAVIS, Professor PETERSEN and Associate Professor ARNOLD

**103. Individual Research Course.**—One or two units.

Professor DAVIS, Professor PETERSEN and Associate Professor ARNOLD

*PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY*

**101. Advanced Biological Chemistry.**—Biochemical methods of research, biological colloids, enzyme action, and metabolism.—One or two units.

Professor WELKER and Associate Professor BERGEIM

**103. Biochemical Research.**—One or two units.

Professor WELKER and Associate Professor BERGEIM

**105. Advanced Physiology.**—An introduction to original work in Experimental Physiology. Individual instruction in fundamental methods. Laboratory course.—One or two units.

Associate Professor OSLUND

**109. Research Work in Physiology.**—One or two units.

Associate Professor OSLUND

*THERAPEUTICS*

**101. Advanced Therapeutics.**—One or two units.

Associate Professor BLAYNEY

**103. Therapeutic Research.**—One or two units.

Associate Professor BLAYNEY

## SUMMARY OF CURRICULUM

## FIRST YEAR

Departments	Hours				Total	Semester Hours
	Didactic		Laboratory and Clinical			
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.		
Anatomy.....	16	16	112	112	256	9
Chemistry (organic) ..	32	.....	96	.....	128	5
Chemistry (physi- ological).....	.....	32	.....	80	112	4½
Dental Anatomy.....	16	16	48	48	128	4
Denture.....	16	16	80	80	192	5
Histology.....	.....	32	.....	64	96	4
Hygiene.....	16	.....	.....	.....	16	½
Seminar.....	16	.....	.....	.....	16	1
Technical Drawing.....	.....	.....	80	.....	80	1½
	112	112	416	384	1024	34½

## SECOND YEAR

Departments	Hours					Semester Hours
	Didactic		Laboratory and Clinical		Total	
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.		
Bacteriology.....	32	.....	64	.....	96	4
Chemistry (physi- ological)*.....	32	.....	80	.....	112	4½
Crown and Bridge.....	.....	16	.....	144	160	4
Denture.....	16	16	80	32	144	4
Histology (dental)....	32	.....	64	.....	96	4
Metallurgy.....	.....	16	.....	32	48	2
Operative Dentistry..	16	8	96	48	168	4½
Physiology.....	.....	96	.....	96	192	9
Seminar.....	16	.....	.....	.....	16	1
Therapeutics.....	.....	8	.....	48	56	1½
	144	160	384	400	1088	38½

\*Will not be offered after 1929-1930 in the second year.

## THIRD YEAR

Departments	Hours					Semester Hours
	Didactic		Laboratory and Clinical		Total	
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.		
Crown and Bridge....	16	8	112	.....	136	3½
Denture.....	.....	8	.....	.....	8	½
Dermatology.....	.....	8	.....	.....	8	½
Diagnosis.....	.....	.....	32	.....	32	1
Ethics.....	16	.....	.....	.....	16	1
General Clinics (in-firmory practice)...	.....	.....	300	400	700	7
Materia Medica and Therapeutics.....	32	.....	.....	.....	32	2
Medicine.....	16	16	.....	.....	32	2
Operative Dentistry..	8	8	.....	.....	16	1
Oral Pathology.....	.....	16	.....	48	64	2½
Orthodontia.....	.....	16	.....	64	80	3
Pathology.....	48	.....	80	.....	128	5½
Pharmaco-Dynamics.....	.....	.....	.....	32	32	1
Preventive Dentistry.....	.....	16	.....	.....	16	1
Radiographic Interpretation.....	8	.....	.....	.....	8	½
	144	96	524	544	1308	32

## FOURTH YEAR

Departments	Hours					Semester Hours
	Didactic		Laboratory and Clinical		Total	
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.		
Crown and Bridge....	8	8	.....	.....	16	1
Denture.....	8	8	.....	.....	16	1
Elective.....	.....	16	.....	48	64	2½
General Clinics (in- firmary practice) . . .	.....	.....	400	400	800	8
Jurisprudence.....	10	.....	.....	.....	10	½
Medicine.....	16	16	.....	.....	32	2
Operative Dentistry..	8	8	.....	.....	16	1
Oral Surgery.....	16	16	64	64	160	6
Orthodontia.....	16	.....	.....	32	48	2
Roentgenology.....	.....	.....	16	16	32	1
Seminar.....	16	16	.....	.....	32	2
Therapeutics.....	32	32	.....	.....	64	4
	130	120	480	560	1290	31

# DEGREES CONFERRED

*October, 1928*

## DOCTOR OF DENTAL SURGERY

HERMAN N. BROWN  
GAJANAN VITHAL DESAI  
MEYER GREENBERG  
HAROLD P. MASSER  
ADOLPH RABOFF  
JOHN M. TALLENT  
WILLIAM J. TALLENT  
JOHN J. VAN DYKE

*February, 1929*

## DOCTOR OF DENTAL SURGERY

FREDERICK E. SHIPLACOFF

*June, 1929*

## BACHELOR OF SCIENCE

Chasan, William	<i>New York</i>
Goldwin, Andrew Charles	<i>New York</i>
Kramp, Edgar Herman	<i>Illinois</i>

## DOCTOR OF DENTAL SURGERY

Anderson, C. Herbert W., A.B.	<i>Illinois</i>
Becker, William A., B. S.	<i>Illinois</i>
Bell, Morris	<i>Illinois</i>
Felsher, Michael	<i>Illinois</i>
Flick, George William	<i>Illinois</i>
Hansen, Clarence Wyland	<i>Illinois</i>
Hecht, Irving	<i>Illinois</i>
Jacobson, Earl Grant	<i>Illinois</i>
Jacobson, Louis	<i>Illinois</i>
Kaplin, Lester Davis	<i>Illinois</i>
Kleczewski, John Vincent	<i>Illinois</i>
Lamb, Carl	<i>Illinois</i>
Le Schofs, Charles M.	<i>New Jersey</i>
Lunak, Kenneth Charles	<i>Illinois</i>
Maddox, Walter Blake	<i>Indiana</i>

Marquardt, George	<i>Illinois</i>
Mehlman, Meyer	<i>New York</i>
Miller, Walter John	<i>Illinois</i>
Myer, Ernest	<i>Illinois</i>
Rebman, Lester Walter, B. S.	<i>Michigan</i>
Rothfield, Louis	<i>Illinois</i>
Selisky, Abraham	<i>Illinois</i>
Simms, William A.	<i>Missouri</i>
Whittier, Stanley Spencer	<i>Maine</i>

## GRADUATE STUDENTS

*Metallurgy*

Bradel, Sigmund F., B.Me.E. (Ohio State University), 1923; D.D.S. (University of Illinois), 1928.

*Oral Surgery*

Knudtson, Kermit F., D.D.S. (University of Illinois), 1927.

Neville, William F., D.D.S. (University of Michigan), 1926.

Olech, Eli, D.D.S. (University of Illinois), 1923.

*Orthodontia*

Blayney, James Roy, B.S. (Lewis Institute), 1924; D.D.S. (Northwestern Dental School), 1913; M.S., (University of Chicago), 1928.

Downs, William Benham, D.D.S. (University of Illinois), 1925.

Jentzsch, Richard Alvin, D.D.S. (University of Illinois), 1925.

## FOURTH YEAR CLASS—1928-29

Agster, William C.	<i>Illinois</i>
Anderson, C. Herbert W., A.B.	<i>Illinois</i>
Astrinsky, Samuel	<i>Illinois</i>
Becker, William A., B. S.	<i>Illinois</i>
Bell, Morris	<i>Illinois</i>
Bell, Sheldon F.	<i>Illinois</i>
Blake, George S.	<i>Illinois</i>
Bourbonnais, Wilfrid A.	<i>Michigan</i>
Felsher, Michael	<i>Illinois</i>
Flick, George William	<i>Illinois</i>
Hansen, Clarence Wyland	<i>Illinois</i>
Hecht, Irving	<i>Illinois</i>
Holappa, Samuel John	<i>Minnesota</i>
Jacobson, Earl Grant	<i>Illinois</i>
Jacobson, Louis	<i>Illinois</i>
Kaplin, Lester Davis	<i>Illinois</i>
Kleczewski, John Vincent	<i>Illinois</i>
Kotalik, Joseph James	<i>Illinois</i>
Lamb, Carl	<i>Illinois</i>

## COLLEGE OF DENTISTRY

Langhein, Henri William	<i>New Jersey</i>
Le Schofs, Charles M.	<i>New Jersey</i>
Lunak, Kenneth Charles	<i>Illinois</i>
Maddox, Walter Blake	<i>Indiana</i>
Marquardt, George	<i>Illinois</i>
Medlin, M Dee	<i>Illinois</i>
Mehlman, Meyer	<i>New York</i>
Miller, Walter John	<i>Illinois</i>
Myer, Ernest	<i>Illinois</i>
Rebman, Lester Walter, B.S.	<i>Michigan</i>
Ross, David	<i>New York</i>
Rothfield, Louis	<i>Illinois</i>
Selisky, Abraham	<i>Illinois</i>
Shiplacoff, Frederick E.	<i>New York</i>
Vission, Joshua Sanford	<i>Illinois</i>
Whittier, Stanley Spencer	<i>Maine</i>

## THIRD YEAR CLASS—1928-29

Anderson, Carl A.	<i>Illinois</i>
Anderson, Herman Millard, A.B., B.S.	<i>Illinois</i>
Baldwin, Mark R.	<i>Illinois</i>
Bass, Paul B., Ph.G.	<i>Illinois</i>
Becker, Stanley	<i>Illinois</i>
Belinoff, Dave S.	<i>Illinois</i>
Buckman, Charles M.	<i>Illinois</i>
Dashut, Edward	<i>Illinois</i>
DeVito, Thomas Lucian	<i>Illinois</i>
Erich, John B.	<i>Illinois</i>
Fitzgerald, James B.	<i>Michigan</i>
Garfinkle, Louis M.	<i>England</i>
Gerno, Renato M.	<i>Illinois</i>
Gubbins, William R.	<i>Illinois</i>
Haebich, Roy A.	<i>Illinois</i>
Herzon Morton M., B.S.	<i>Illinois</i>
Hine, Maynard K.	<i>Illinois</i>
Hirth, Floyd	<i>Illinois</i>
Holand, Einar	<i>Norway</i>
Holub, John J., Jr.	<i>Illinois</i>
Holzman, Louis L.	<i>Illinois</i>
Kaczanowski, George	<i>Illinois</i>
Kaja, Joseph	<i>Illinois</i>
Kane, Ralph	<i>Illinois</i>
Massey, Lottie W.	<i>Illinois</i>
Nelson, Beulah Grattan, A.B., B.S.	<i>Illinois</i>
Pitluck, Harry H.	<i>Illinois</i>
Scudder, Joseph M.	<i>Illinois</i>
Sneed, George	<i>Missouri</i>
Tobiasz, Olga Irene, B.S.	<i>Illinois</i>
Volin, Russell L.	<i>Illinois</i>
Weclowski, Theodore V.	<i>Illinois</i>

Wiggins, Edward	<i>Illinois</i>
Wilkinson, Lynn C.	<i>Illinois</i>
Wlodkowski, Peter	<i>Illinois</i>
Yarber, James J.	<i>Illinois</i>
Zick, Jack M.	<i>South Dakota</i>

## SECOND YEAR CLASS—1928-29

Alleyne, Bruce	<i>Illinois</i>
Asher, Harry H.	<i>Illinois</i>
Bezkostny, William	<i>Illinois</i>
Bigelow, Henry Moore Lester	<i>Illinois</i>
Bruin, Thad S.	<i>Indiana</i>
Chasan, William	<i>New York</i>
Davis, Joseph H.	<i>Illinois</i>
De Biase, James	<i>Illinois</i>
Decker, Jack A.	<i>Illinois</i>
Deutsch, Sidney	<i>Illinois</i>
Foster, Harold Howard	<i>Illinois</i>
Fredricks, Walter H.	<i>Illinois</i>
Gingrich, Orlyn	<i>Illinois</i>
Glessner, Carlyle Frederick	<i>Illinois</i>
Goldwin, Andrew Charles	<i>New York</i>
Gould, Jules	<i>Illinois</i>
Gross, Louis	<i>Illinois</i>
Hackley, Walter Howard	<i>Illinois</i>
Hirschenbein, Irwin	<i>Illinois</i>
Hoffman, Richard P.	<i>Illinois</i>
Hogan, William J.	<i>Illinois</i>
Johnson, Norman Preston	<i>Illinois</i>
Kadens, Rubin	<i>Illinois</i>
Kalish, Melville	<i>Illinois</i>
Kaplan, Harry	<i>Illinois</i>
Kindelsperger, Raymond D.	<i>Illinois</i>
Knab, Albert L.	<i>Illinois</i>
Kramp, Edgar H.	<i>Illinois</i>
Mackh, Fred	<i>Illinois</i>
McNabb, Lloyd Sheridan	<i>Illinois</i>
Mead, Hugh	<i>Illinois</i>
Miller, Elijah D.	<i>Illinois</i>
Neel, James' Todd	<i>Illinois</i>
Nelson, Gilmore	<i>Illinois</i>
O'Connor, William J.	<i>Illinois</i>
Osowski, Edward John	<i>Illinois</i>
Petkulik, Victor Elmer	<i>Illinois</i>
Potocki, Edward	<i>Illinois</i>
Pritikin, David	<i>Illinois</i>
Renfroe, Earl Wiley	<i>Illinois</i>
Riccio, William Henry	<i>Illinois</i>
Piedl, Donald E.	<i>Illinois</i>

Rierner, Robert	<i>Illinois</i>
Roberts, Bernard R.	<i>Illinois</i>
Sakowski, Thaddeus	<i>Illinois</i>
Sarsoun, Charles	<i>Illinois</i>
Scott, Richard Everet,	<i>Illinois</i>
Shirley, Allen	<i>Illinois</i>
Sroka, Edmund C.	<i>Illinois</i>
Sturman, Jack	<i>Illinois</i>
Walters, Everett George	<i>Illinois</i>
Weis, Herbert Edward	<i>Illinois</i>
Wyckoff, Philip Harry	<i>Illinois</i>
Zissman, Fred	<i>Illinois</i>

## FIRST YEAR CLASS—1928-29

Alban, Arthur	<i>Illinois</i>
Aranowitz, Isadore	<i>Illinois</i>
Barroso, Luis R.	<i>Illinois</i>
Berman, Benjamin	<i>Illinois</i>
Bernier, Joseph L.	<i>Illinois</i>
Biller, Harold	<i>Illinois</i>
Blumfield, Harry L.	<i>Illinois</i>
Borkan, Jack	<i>Illinois</i>
Braun, Leslie	<i>Illinois</i>
Campbell, Robert M.	<i>Indiana</i>
Cappell, Jean E.	<i>New Jersey</i>
Carey, George	<i>Illinois</i>
Cerulli, Henry	<i>New Jersey</i>
Cook, Samuel	<i>New Jersey</i>
Crabbe, Edwin	<i>Illinois</i>
Cronk, Charles B.	<i>Illinois</i>
Fabian, Frank C.	<i>Illinois</i>
Faul, Alvin	<i>Illinois</i>
Feinberg, Max	<i>Illinois</i>
Feldman, Ben	<i>Illinois</i>
Goglin, Ralph	<i>Illinois</i>
Goldwin, Richard H.	<i>New York</i>
Gordon, Joseph	<i>Illinois</i>
Green, Carl L.	<i>Illinois</i>
Greenway, Edward F.	<i>Illinois</i>
Hanus, George	<i>Illinois</i>
Helmer, Cecil	<i>Canada</i>
Herzon, Emanuel	<i>Illinois</i>
Horwitz, Sol	<i>Illinois</i>
Hoyt, Charles L.	<i>Illinois</i>
Iagmin, Peter P.	<i>Illinois</i>
Isaacs, Nathaniel R.	<i>Illinois</i>
Jacks, George F.	<i>Illinois</i>
Jaffee, Elmer T.	<i>Illinois</i>
Johnson, Kenneth	<i>Illinois</i>

Jokela, Felix	<i>Minnesota</i>
Kahn, William	<i>Illinois</i>
Kaine, Henry	<i>Illinois</i>
Klingman, Hymen	<i>Illinois</i>
Komarek, Joseph	<i>Illinois</i>
Kutza, Alberth	<i>Illinois</i>
Landers, Paul H.	<i>Illinois</i>
Lasky, Harold N.	<i>Illinois</i>
Leibowitz, Sidney	<i>Illinois</i>
Levine, Jacob	<i>New York</i>
Litvan, Leonard	<i>Illinois</i>
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